
CURRICULUM VITAE

Prof. Omer Nawaf Khaled Maaitah

Date of Birth 24/8/1968

Marital status: Married

Nationality Jordanian



1-Address

Civil Engineering Department

Faculty of Engineering - Mutah University

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2-Academic Qualifications:

1999 PhD in Civil Engineering

School of Arch & Civil Engineering - University of Bath

Bath, BA2 7AY - United Kingdom

Thesis Title: A Theoretical and Laboratory Investigation into the Behaviour of Unsaturated Soils.

1995 MSc. in Civil Engineering/ Geotechnical Engineering/ Grade

Very Good

Jordan University of Science and Technology- Irbid -Jordan

Thesis Title: An Experimental Investigation of Vertical Vibration of Footing Model on Sand.

1992 Bachelor of Science in Civil Engineering/ Geotechnical

Engineering/ Grade Good

Aleppo University-Aleppo- Syria

Project Title: The influence of water on the shear strength.

1986 High School Certificate/Scientific Section/Grade Very Good

3-Administrative appoints

1. July 2021-June 2023 President of Tafila Technical University
2. August 2023-until now Board of Trustees at Al-Zaytoonah University of Jordan
3. 1 Nov. 2018- July 2021: Dean of postgraduate studies - Mutah University
4. 1 Sep. 2019-until now: Member of promotion and recruitment committee - Mutah University
5. 1 Sep. 2014-until 1Sept 2017: Member of promotion and recruitment committee - Mutah University
6. 1 Sep. 2013-until 1Sept 2017: Dean of Faculty of Engineering - Mutah University
7. 1 Sep. 2013-until 1Sept 2017: Head of council board of Prince Faisal for Dead Sea study centre (research centre) -Mutah University
8. 1 Sep. 2008 - 1 Sep 2012: Head of Civil Engineering department-Mutah University
9. 1 Feb. 2000 - 1 Oct. 2000: Quality Assurance manager in LEMA (WATER AUTHORITY OF JORDAN) Amman-Jordan
10. 21 Sep. 1992- 21 Sep 1993 Site Engineer in Ministry of Public Works and Housing.
11. Consultation for many Engineering companies for Design and Construction (over 20 years)
12. 1/10/2018 – 1/10/2021: Committee member “Engineering and Technology Sciences Sector and Telecommunications and Information Technology Sector Committee”- Scientific Research and Innovation Support Fund - Jordanian Ministry of Higher Education

4-Teaching Experience

Academic

1. Sep. 26, 2000 **Assistance Professor** in Civil Eng. Dept. M U
2. Jun. 6, 2007, Associated Professor in Civil Eng. Dept. M U
3. Sep.3, 2008 – Sep. 3, 2009, Associated professor in Al-Balqa applied for University/ Academic sabbatical
4. Jun. 6, 2012, Professor in Civil Eng. Dept. M U
5. Part-time lecturer at Israa University
6. 1/10/2021-1/10/2023 Professor Tafila Technical University/ Academic sabbatical

Training Courses

1. 10/1993-7/1995 Teaching Assistant in the Department of Civil Engineering Jordan University of Science and Technology.
2. I taught two training courses (Road Maintenance) to Engineers in the Ministry of Public Works and Housing
3. I taught two training courses in surveying to Engineers in the Ministry of Agriculture.
4. I taught one training course in **ISO** to Engineers in the Ministry of Public Works and Housing
5. Supervisor many master students
6. Internal and external examiner for many master students

5-Courses Taught

Soil Mechanics	Foundation	Retaining Structure	Soil Lab
Engineering geology	Construction Material	Pavement Eng.	Strength of Material
Static	Survey 1	Survey 2	Highway Eng.
Traffic Eng.	Highway Lab	Transportation Eng.	Intelligent Transportation System
Surveying Lab	Numerical	Computer Skill	Computer-Aided Design
Engineering Drawing	Eng. Skill	Traffic safety	Drawing By Computer (ATOUCAD)

6-Professional Experience

1. Evaluating external promotion for associated and professor ranks for several universities in different countries such as Saudi Arabia, Iraq and Yemen
2. Evaluating internal promotion for associated and professor ranks (MU)
3. Internal auditing for the curriculum for all engineering branches
4. External auditing for the curriculum for civil engineering
5. Head of the team in designing many master's degree programs
6. Member in several committees in the Ministry of Public Works and Housing
7. Member of the committee of the Jordanian Highway Code
8. Member of many committees in the Ministry of Planning ministry to establish a report about desertification and water shortage in Jordan
9. Board member for evaluating Green building competency
10. Consultant for Alurdina el ebda and Jedco
11. Contributing in the Doctor for Factory (FFF) programme
12. Member of many committees in the Higher Education Ministry for accreditation of civil Engineering programs in private universities (AAU and Zarqa Private University)
13. Referee for many Engineering Journal (Journal of Civil Engineering and Construction Technology and. Jordan Journal of Civil Engineering)

6-Memberships

1. Jordan Engineering Association since 1992
2. British Geotechnical Society (BGS) since 1999
3. Arab Organisation for Human Right
4. Editorial Board of Jordan Journal of Civil Engineering
5. Member of the Steering committee at traffic safety conference 2015
6. Member of the steering committee at ITS conference in Amman A. University
7. Member of the steering committee in the Engineering conference in JUST

8. Member of steering committee 13th International Conference on Sustainable Energy & Environmental Protection “SEEP2020”, which will be held at the University of Natural Resources and Life Sciences, Vienna Austria from 14th - 17th September 2020-
website:<https://seepconference.com/seep-2020/>

7- Other Qualifications

1. Five certificate in Education Technology/Queen Rania Axadmy
2. 21/7/1993-22/8/1993 - Diploma in AUTOCAD –Engineering Drawing by Computer, University of Mutah, Karak- Jordan
3. 1/10/ 1996-22/3/1997 - Technical computer programs and computer skills, University of Bath, Civil Engineering Department, Bath, U.K
4. 1/7/1999-3/7/1999 - Internal auditing, in LEMA (Water Authority of Jordan) Amman-Jordan
5. 2-4-2000-20-4-2000 - extensive course in ISO in Jordanian association for quality
6. 5/6/2001-10/6/2001 - Arab Human Right organisation in Jordan

8-Servicing Community and academic field

1. Consultant for traffic institute (Jordanian police force)
2. Arranging and contributing in several workshops for traffic safety in Karak for the local community
3. Arranging and contributing in many workshops for Renewable Energy in Karak local community
4. Arranging and contributing in many workshops in Mutah University in different aspects of engineering and academic field
5. Arranging workshops about National qualification framework (NQF)
6. Consultant for Alurdina el ebda and Jedco (for the people who applied for Grant -10 project were wined)
7. Consultation for Karak Municipality (Road and building cracks)

9- Languages and computer skills

1. Professional in Arabic and English
2. Professional in Computer skills and Engineering software
3. ICDL since 2007

10- EU fund Projects

I am heading the Mutah team in projects funded by EU through Tempus, Erasmus+, Mundus, and ENI projects. Below is a summary of such projects:

- 1- **Grant Holder** for ERASMUS+ PROGRAMME, Promoting Youth Employment in Prompt Areas in Jordan/ Job-Jo Project Number: 598428-EPP-1-2018-JO-EPPKA2-CBHE-JP. This is the first time for Mutah University to win an ERASMUS+ project as a grant holder. This project ranked as the one of the best five proposals in 2017 as announced by the EU commission. Job Jo is aiming to reduce unemployment and poverty in remote areas in Jordan through the establishment of multiple Business Bureaus in the participating higher education institutions. The fund for this project was around 700,000 Euro
- 2- Coordinator to ENI project: "Reinforcing social and solidarity economy for the unemployed, uneducated and refugees" MoreThanAJob. In this project, I also was a coordinator for the Ministry of Work and Public House as it is the first time for them to participate in such projects. The fund for this project was around 2.5 Million Euro
- 3- Contact person from Mutah: Establishment of Intercalated Program in Basic Medical Sciences in Jordan/ iBMS-JO: 610091-EPP-1-2019-1-JO-EPPKA2-CBHE-JP. This project started early this year.
- 4- Contact person from Mutah: Vocational Training Diploma on Electrical and Hybrid Vehicles ECOCAR: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP
- 5- Contact person from Mutah AgroTechnology VET Centres to Network and Train Future Farmers in Jordan and Palestine ERASMUS+ VET PROGRAMME AgroTec Project Number: 101092160
- 6- Contact person from Mutah ICT4EDU: Enhancing ICT Competencies of Early Childhood Educators at HEIs in MENA Countries ERASMUS+ PROGRAMME Project Number: 101083078
- 7- Contact person from Mutah: TEMPUS V Modernizing Undergraduate Renewable Energy Education: EU Experience for Jordan (MUREE) 530332-TEMPUS-1-2012-1-JO-TEMPUS-JPCR.

- 8- Contact person from Mutah: TEMPUS V -EU-EG-Jo Joint Master Programme in Intelligent Transport Systems (JOINTS) 530632-TEMPUS-1-2012-1-SE-TEMPUS-JPCR. Based on this project, the curricula of the BSc. In civil Engineering Programs was revised including new method of transportation
- 9- Contact person from Mutah: Smart Control Systems for Energy Management: New Master Degree 561703-EPP-1-2015-1-UK-EPPKA2-CBHE-JP (SEM-SEM). Based on this project a new successful master's program in system Engineering was established in 2016.
- 10-Contact person from Mutah: Promotion of Innovation Culture in the Higher Education in Jordan 561996-EPP-1- 015-1-JO-EPPKA2-CBHE-JP (Invent). Based on this project the innovation centre was established.
- 11-Contact person from Mutah: Vocational training centre for undergraduate university students and teachers in Jordan (VTC)- 561708-EPP-1-2015-1-DE-EPPKA2-CBHE-JP. Based on this project the vocational centre was established in the university in 2015.
- 12-Contact person from Mutah: Development Of Environmental Engineering Courses And Injection Of Climate Change Concept For Undergraduate Curriculum (E-Green) Project Number: 573927-EPP-1-2016-1-JO-EPPKA2-CBHE-JP EGREEN. Based on this project, the curricula of the BSc. In civil Engineering Programs was revised including environmental engineering.
- 13-Contact person from Mutah: Climate change and sustainable agriculture and food safety University of Crete –Cypress (CCSAFS) Project No: 573881-EPP-1-2016-1-EL-EPPKA2-CBHE-JP
- 14-Contact person from Mutah: Fostering Academia-Industry Collaboration in Food Safety and Quality. -Erasmus+/ (JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY). Based on this project the food centre was established in the university from 2015.
- 15-ISO in Construction Company in Jordan-Mutah University 3000 JD
- 16-Fresh-energy FP7 (member in Mutah team)-Italy (Grant 2000000 Euro)
- 17-Applied to H2020 with others

11-External Relation

1. University of Bath-UK connected with my supervisor and his research group.
2. Staffordshire University – UK -Erasmus +
3. University Of Gadanski –Boland -Erasmus +

4. University of Leipzig –Germany -Erasmus +
5. University of Linkoping –Sweden-Erasmus +
6. University of Roma –Italy -Erasmus +
7. University of Ein Shams-Egypt -Erasmus +

12-Publications:

a. Single Author (19 articles)

1. Stabilization by Chemical Agent (2012) **Omer Nawaf Maaitah** Geotechnical Geological Engineering DOI 10.1007/s10706-012-9549-7, Springer
2. Soil Improvement by Marble Stone Slurry Wastes (2012), **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal
3. Evaluation of Al-Karak Ash for Stabilization of Marl Clayey Soil (2012): **Omer Nawaf Maaitah**, http://www.ejge.com/index_ejge.htm), ISSN 1089-3032 Vol. 17 [2012], Bund. G
4. Effect of Macroscopic analysis on the behaviour of unsaturated soil (2011), **Omer Nawaf Maaitah**, http://www.ejge.com/index_ejge.htm), ISSN 1089-3032
5. Soil Stabilization by lime (2011) **Omer Nawaf Maaitah**, http://www.ejge.com/index_ejge.htm), ISSN 1089-3032, Vol. 17 [2012], Bund. G
6. Soil-Water Characteristic Curve Model-Silty Sand Soil, (2011) **Omer Nawaf Maaitah**, Jordan Journal of Civil Engineering, Volume 6, No. 1,
7. Modelling Partially Saturated Soil 2007, **Omer Nawaf Maaitah**, Dirasat-Jordan University, Vol. 34, No. 1
8. Effect of oil contamination on properties of unsaturated soil, 2007, **Omer Nawaf Maaitah**. Sixth Alexandria International Conference on Structural and Geotechnical Engineering (AICSCE 6 April 15-17/2007. (GT-3).
9. Effect of oil contamination on properties of unsaturated soil, (2007), **Omer Nawaf Maaitah**. Sixth Alexandria International Conference on Structural and Geotechnical Engineering (AICSCE 6 April 15-17/2007. (GT-3).

10. Modeling Partially Saturated Soil (2007), **Omer Nawaf Maaitah**, Dirasat-Jordan University, Vol. 34, No. 1
11. Using Treated and Untreated Water in Compacted Soil; (2007). **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal, Vol. 22, No.3, pp 25-42.
12. Effect of gas bubble (2010) **Omer Nawaf Maaitah** http://www.ejge.com/index_ejge.htm), ISSN 1089-3032
13. Experimental verification of theoretical model of shear strength, 2005, **Omer Nawaf Maaitah**, Electronic Geotechnical Journal, (http://www.ejge.com/index_ejge.htm),ISSN 1089-3032, Vol. 10, Bundle C.
14. The importance of ISO system in Jordanian industrial companies, 2004, **Omer Nawaf Maaitah**, Mansoura Engineering Journal, ISSN –1110-0141, Vol. 29, No. 1
15. Effect of pore geometry on predicting the shear strength of unsaturated soil, 2004, **Omer N. Maaitah**, Dirasat- Jordan University, Vol. 31, No. 1
16. Shear strength at low degree of saturation-theoretical study, 2002, Omer Maaitah, Abhath Al-Yarmouk, Vol. 11, No. 1A
17. Contact stress in unsaturated media, 2002 **Omer Nawaf Maaitah** Engineering Journal of Engineering, India, Vol. 12, No. 1,
18. Effect of changing in unsaturated shear strength in arid regions that causes building cracks, 2002, **Omer Nawaf Maaitah**, Urban development in Arid regions and associated problems, 2-4/ November, Ministry of public works and housing, Riyadh, Saudi Arabia
19. Geology For Civil Engineering Student (**BOOK -In Arabic Language**)

b. Joint Author (First Author of Two) 8 Articles

20. Management Requirements of Intelligent Transportation System in Civil Aviation – Kuwait Airport **Omer Nawaf Maaitah**, Saif E. A. Al Nawayseh and Alhasan Ahmed Jandeel., Pyrex Journal of Engineering and Manufacturing Technology Vol 2 (1) pp. 001-006 January, 2016 <http://www.pyrexjournals.org/pjem->
21. The Achievement of Safety Management in Arab Potash Company **Omer Nawaf Maaitah** and Salloom Al-Juboori. Physical Sciences Research International Vol. 3(1), pp. 1-7, January 2015.

22. Utilization of natural and industrial mineral admixtures as cement substitutes for concrete production in Jordan." **Omer Nawaf Maaitah**, and Nafeth A. Abdel Hadi. Journal of Civil Engineering and Construction Technology 6, no. 4 (2015): 51-58.
23. Examining Travel Time At Major Arterials In Amman Using The Manual Method (Floating-Car Technique). **Omer Nawaf Maaitah**, Shaker A. Mahadin and Prof. Husam D. Alhamideh. 10th International Conference On The Role Of Engineering Towards A Better Environment Intelligent Environmental Engineering: From Vision To Action 15-17 December, 2014 Alexandria, Egypt
24. Improving Shear Strength and Other Mechanical Properties of Clayey Soil-Ash Mixtures (2012), **Omer Nawaf Maaitah**, Nafeth A. Abdel Hadi and Monther A. Abdel Hadi http://www.ejge.com/index_ejge.htm), ISSN 1089-3032 Vol. 17 [2012], Bund. I
25. Cracks in some Karak Roads Built on Unsaturated Subgrade Pakistan Journal of Applied Science, 2004. **Omer Nawaf Maaitah** & Shaker A. Mahadin, Pakistan Journal of Applied Science, Vol. 4, No.
26. Managing the treated sewage water to be reused in civil engineering works, First international conference, Gaza Strip, 2003, **Omer Nawaf Maaitah** and Sultan, A. Tarawneh
27. Effect of treated wastewater on the behavior of unsaturated soil, 2003. **Omer Nawaf Maaitah** and Sultan, A. Tarawneh, Pakistan Journal of Applied Science, Vol. 3, No. 5.

c. Joint Author (Second Author of Two) 7 Articles

28. Assessment of Using Cement, Zeolites and Sand in Treating Soft Clay Soil, Bassam Z. Mahasneh, **Omer Nawaf Maaitah** and Nafez AbdelHadi 5th conference, Al-zaytoneh Engineering conference (2015)
29. Evaluation Of Traffic Accidents In Jordan Shaker A. Mahadin, **Omer Nawaf Maaitah** and Husam D. Alhamideh. 10th International Conference on The Role Of Engineering Towards A Better Environment Intelligent Environmental Engineering: From Vision to Action 15-17 December, 2014 Alexandria, Egypt
30. Treated polluted soil by oil, (2011), Husam and **Omer Nawaf Maaitah** Alexandria International Engineering Journal www.elsevier.com/locate/aej www.sciencedirect.com 50, 105–110

31. Using Oil Shale Ash in Concrete Binder (2010) Husam Al-Hamaiedh, **Omer Nawaf Maaitah**, Shaker Mahadin http://www.ejge.com/index_ejge.htm), ISSN 1089-3032 Vol. 15 [2010], Bund. F
32. Managing the treated sewage water to be reused in civil engineering works **Omer Nawaf Maaitah** and Sultan, A. Tarawneh, First International Conference, Gaza Strip 2003
33. The Impacts Of Customs Changes On Traffic Accidents In Jordan, 2002, Shaker A. Mahadin, **Omer Nawaf Maaitah** and Sultan A. Tarawneh Mansourah, Engineering Journal, Egypt, Vol. 27, No. 4,
34. An experimental investigation of vertical vibration of model footings on sand Azm S Al-Homoud, Omar N Al-Maaitah "Soil Dynamics and Earthquake Engineering –Elsevier- Volume 15, Issue 7, October 1996, Pages 431-445

d. Joint Author (Third Author or More) 10 Articles

35. Makerspace, higher education and technical institutions Almajali, M., Al Afif, R., & Maaitah, O. (2023). Makerspace, higher education and technical institutions. Industry and Higher Education, 37(2), 155-164. <https://doi.org/10.1177/09504222221114058> Volume 37, Issue 2
36. Utilizing natural additives in stabilizing clayey soil Bassam Z. Mahasneh, **Omer N. Maaitah**, Nafeth Abdel Hadi, Hmood Mubeideen, Omar K. Alghazawi, Nidhal M. Saada. Journal of Applied Engineering Science Vol. 21, No. 3, 2023
37. Feasibility and optimal sizing analysis of hybrid renewable energy systems: A case study of Al-Karak, Jordan Rafat Al Afif, Yasmine Ayed b, Omer Nawaf Maaitah ScienceDirect Renewable Energy, journal homepage: www.elsevier.com/locate/renene 204 (2023) 229–249
38. Effective Application Of Lean Manufacturing In Leading Industrial Company – A Case Study, Salloom, A., Al-Juboori, Mohannad Y. Al-Bashabsheh & **Omar Maaitah**, International Journal of Mechanical Engineering (IJME), ISSN (P): 2319-2240; ISSN (E): 2319-2259, Vol. 9, Issue 1, Dec–Jan 2020; 21-42
39. Controlled Land Application of Olive Mill Wastewater (OMW): Enhance Soil Indices and Barley Growth Performance in Arid Environments, Osama Mohawesh, Ammar Albalasmeh, Husam Al-Hamaiedeh, Samer Qaraleh, Omar Maaitah, Abdelraheem Bawalize & Doaa Almajali, Water, Air, & Soil Pollution volume 231, Article number: 214 (2020) Springer link, Published: 02 May 2020.

40. Assessment the Effect of Homogenized Soil on Soil Hydraulic Properties and Soil Water Transport, O. Mohawesha, *, M. Janssenb, **Omer. Maaitah**, and B. Lennartzb ISSN 1064-2293, Eurasian Soil Science, 2017, Vol. 50, No. 9, pp. 1077–1085. © Pleiades Publishing, Ltd., 2017
41. Reduction of water loss in Karak Authority Distribution System Using GIS Technology. Abeer Mohammad Al-edie, Khaldoun Qtaishat, **Omer Nawaf Maaitah**. (2015) International Journal of Environment and Water ISSN 2052-3408.
42. Medical Devices Service Life Cycle Cost Management in Al Karak Hospital as a Case Study Nisreen HJ *, Salloom AJ and **Omer Nawaf Maaitah** Industrial Engineering Systems Department, Mutah University, Jordan (2015)
43. Effect of Microscopic Observation On Unsaturated Soil Behaviour (2010). Nafi Abdel Rahman Youssef, Husam Hamideh, Shaker Mahadin, **Omer Nawaf Maaitah** (http://www.ejge.com/index_ejge.htm), ISSN 1089-3032, Vol. 15 [2010], Bund. M
44. Mechanical Properties of Natural Building Stone: Jordanian Building Limestone as an Example (2010), Nart Mawloud Naghoj, Nafi Abdel Rahman Youssef, and **Omer Nawaf Maaitah**. Jordan Journal of Earth and Environmental Sciences Volume 3, Number 1, June,
45. Contractor Pre-qualification-Jordan case study, 2003, Sultan Tarawneh, Abd-alkareem Al-rodan, **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal, Vol. 18, No.2, pp 49-64
46. Research into Marketing Service Quality Decision Making in Jordan Construction Organization, Proceeding of the 3rd international Conference (Decision Making in Urban & Civil Engineering, 6th – 8th November 2002, SOAS London, UK, ISBN number: 09043544 7 4), Sultan A. Tarawneh and Christopher Preece and **Omer Nawaf Maaitah**, Proceedings of the 3rd International
47. Research into Marketing Service Quality Decision Making in Jordan Construction Organization Sultan A. Tarawneh and Christopher Preece and **Omer Nawaf Maaitah**,_Proceeding of the 3rd international Conference (Decision Making in Urban & Civil Engineering, SOAS London, UK, ISBN number: 09043544 7 4) 6th – 8th November 2002
48. Developing Finite Element Analysis Model to Predict the Behavior of Material under Contact Mechanics Omar Quran M. Almajali, Aziz Al-Mahadin and Omer Maaith Biotribology Journal November 2021

13-Conferences attendance and contribution

49. Traffic Safety in Jordan (steering Committee)-Traffic institute
50. Intelligent Transportation System-Tempus Project- AAU (22/ 4/2016) Amman
51. Transportation Engineering –Warso-Poland (3-12-to -4-12/2015), Muree -
Tempus Project –PSTU 2015-Amman
52. Mansur Tempus Project Jordan University 2014 Amman
53. Unsaturated soil mechanics into Practice, Napier University, Edinburgh, U.K
11-13 / April/ 1997
54. Young Research Conference Civil Eng. Institute, London, U.K23/ March/
1999,
55. Technical Committee for Earthquakes/ Ministry of Public Work-Jordan 21-
24/11/2005

References

Upon Request